

Database	Search Strategy	Search Filter
PubMed	("Public Health"[MeSH Terms] OR "Public Health Informatics"[MeSH Terms] OR "Public Health Practice"[MeSH Terms]) AND (("Population Surveillance"[MeSH Terms] OR "Public Health Surveillance"[MeSH Terms] OR ("Epidemiological Monitoring"[MeSH Terms] OR "Sentinel Surveillance"[MeSH Terms]) OR "Biosurveillance"[MeSH Terms]) AND ("Pandemics"[MeSH Terms] OR "COVID-19"[Supplementary Concept] OR "influenza a virus, h1n1 subtype"[MeSH Terms] OR "Disease Outbreaks"[MeSH Terms] OR "Coronavirus Infections"[MeSH Terms] OR "SARS Virus"[MeSH Terms]))	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English
Scopus	(((TITLE-ABS-KEY ("population surveillance" OR "Public health surveillance" OR surveillance)) OR (TITLE- ABS-KEY ("digital surveillance")) OR (TITLE-ABS-KEY (biosurveillance)) OR (TITLE- ABS-KEY ("epidemiological monitoring"))) AND ((TITLE- ABS-KEY (pandemic OR pandemics)) OR (TITLE-ABS- KEY ("disease outbreak" OR "disease outbreaks")) OR (TITLE-ABS-KEY ("coronavirus infections" OR "Covid-19" OR "Covid19")) OR (TITLE-ABS- KEY (h1n1)) OR (TITLE- ABS-KEY (sars OR "SARS virus")))) AND (TITLE-ABS- KEY ("Public health" OR "public health application"))	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English

CINAHL	<p>S1: (MH "Population Surveillance+") OR "population surveillance" OR (MH "Disease Surveillance")</p> <p>S2: "public health surveillance"</p> <p>S3: "digital surveillance"</p> <p>S4: (MH "Biosurveillance") OR "biosurveillance"</p> <p>S5: "epidemiological monitoring"</p> <p>S6: S1 OR S2 OR S3 OR S4 OR S5</p> <p>S7: (MH "Disease Outbreaks") OR "pandemic" OR (MH "Influenza, Pandemic (H1N1) 2009")</p> <p>S8: (MH "COVID-19") OR "covid"</p> <p>S9: (MH "SARS Virus") OR "sars"</p> <p>S10: (MH "Coronavirus Infections") OR "coronavirus infection"</p> <p>S11: S7 OR S8 OR S9 OR S10</p> <p>S12: (MH "Public Health+") OR "public health application"</p> <p>S13: S6 AND S11</p> <p>S14: S12 AND S13</p>	<p>Timeline: Articles published from 2000 to 2020</p> <p>Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020</p> <p>Language: Articles published in English</p>
Google Scholar	<p>((("population surveillance" OR "public health surveillance" OR surveillance OR "digital surveillance" OR Biosurveillance. OR "surveillance technology" OR "surveillance technologies" OR "epidemiological monitoring")</p>	<p>Timeline: Articles published from 2000 to 2020</p> <p>Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020</p>

	AND (pandemic OR "disease outbreak" OR "coronavirus infections" OR covid19 OR "Covid-19")) AND ("Public health" OR "public Health applications")	Language: Articles published in English
PsychInfo (Ovid)	Population Surveillance/ or Public Health Surveillance/ or surveillance.tw. 2: digital surveillance.tw. 3: biosurveillance.tw. or Biosurveillance/ 4: epidemiological monitoring.tw. or Epidemiological Monitoring/ 5:1 or 2 or 3 or 4 6: exp Pandemics/ or pandemic.mp. 7: exp Disease Outbreaks/ or disease outbreak.mp. 8: Coronavirus Infections/ or covid-19.tw. 9: covid19.tw. 10: H1N1.tw. 11: SARS Virus/ or SARS.tw. 12:6 or 7 or 8 or 9 or 11 13: exp Public Health/ or public health application.mp. 14:5 and 12 15:14 and 15	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English
Embase	Population Surveillance/ or Public Health Surveillance/ or surveillance.tw. 2: digital surveillance.tw. 3: biosurveillance.tw. or Biosurveillance/ 4: epidemiological monitoring.tw. or Epidemiological Monitoring/ 5:1 or 2 or 3 or 4 6: exp Pandemics/ or pandemic.mp. 7: exp Disease Outbreaks/ or disease outbreak.mp. 8: Coronavirus Infections/ or covid-19.tw. 9: covid19.tw. 10: H1N1.tw.	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English

	11: SARS Virus/ or SARS.tw. 12:6 or 7 or 8 or 9 or 11 13: exp Public Health/ or public health application.mp. 14:5 and 12 15:14 and 15	
Medline (Ovid)	Population Surveillance/ or Public Health Surveillance/ or surveillance.tw. 2: digital surveillance.tw. 3: biosurveillance.tw. or Biosurveillance/ 4: epidemiological monitoring.tw. or Epidemiological Monitoring/ 5:1 or 2 or 3 or 4 6: exp Pandemics/ or pandemic.mp. 7: exp Disease Outbreaks/ or disease outbreak.mp. 8: Coronavirus Infections/ or covid-19.tw. 9: covid19.tw. 10: H1N1.tw. 11: SARS Virus/ or SARS.tw. 12:6 or 7 or 8 or 9 or 11 13: exp Public Health/ or public health application.mp. 14:5 and 12 15:14 and 15	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English
ACM digital library	"query": {AllField:("population surveillance" OR "public health surveillance" OR "surveillance" OR "digital surveillance" OR "biosurveillance" OR "epidemiological monitoring") AND AllField:("pandemic?" OR "disease outbreak?" OR "coronavirus infection?" OR "covid\19" OR "covid19" OR "H1N1" OR "SARS virus" OR "SARS") AND AllField:("public health" OR "Public health application"))} "filter": {Publication Date: (01/01/2000 TO 12/31/2020)}, {ACM Content: DL}, {NOT VirtualContent: true}	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English

IEEE Explore	((("Full Text & Metadata": "population surveillance" OR "public health surveillance" OR "surveillance" OR "digital surveillance" OR "contact trac*" OR "biosurveillance" OR "epidemiological monitoring") AND "Full Text & Metadata": "pandemic?" OR "disease outbreak?" OR "coronavirus infection?" OR "covid-19" OR "covid19" OR "H1N1" OR "SARS virus" OR "SARS") AND "Full Text & Metadata": "public health" OR "Public health application")	<p>Timeline: Articles published from 2000 to 2020</p> <p>Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020</p> <p>Language: Articles published in English</p>
--------------	--	---